



Department
for Environment
Food & Rural Affairs



ASSOCIATION OF APPLIED BIOLOGISTS

President: Professor Bill Davies

A three day conference

at Rothamsted Research,
Harpenden, Herts UK

on 28 – 30 November 2017

**ANNOUNCEMENT &
CALL FOR PAPERS**

Sustainable Intensification

Sustainable Intensification

on 28 – 30 November 2017

at Rothamsted Research, Harpenden, Herts UK

Call for Papers

(BASIS Points will be applied for)

Agriculture accounts for around 70% of the UK land area. It plays an essential role in the rural economy not only through the production of food and other agricultural outputs, but in the delivery of a wide range of additional ecosystem services and environmental outcomes. These include the provision of clean water, the regulation of air quality, flooding, climate and nutrient cycles, biodiversity, cultural, aesthetic and recreational value.

In addition, the global food supply system faces an unprecedented challenge to feed a growing global population and food security is firmly on the political agenda. UN projections of population growth indicate that the global food supply system will have to feed between 9 and ten billion people by 2050 and, furthermore, the world's population is expected to continue growing during the second half of the century.

The challenge for the agricultural sector is therefore one of sustainable intensification. This means increasing food production while simultaneously reducing environmental impacts and enhancing the wide range of interlinked ecosystem services that society needs from land. The UK Department for Environment Food and Rural Affairs (DEFRA) has sought to address this challenge by investing £4 million of research through the Sustainable Intensification Research Platform (SIP) which is due to be concluded in November 2017. This conference will explore the outcomes of SIP and other relevant research. International contributions will be very welcome.

Topics covered by the conference will encompass:

- Management practices for sustainable intensification at farm and landscape scale
- Landscape typology: identifying opportunities and risks for agricultural land use
- Indicators and metrics for sustainable intensification
- Assessing and benchmarking the economic and environmental performance of farms
- Decision support for Integrated Farm Management
- Knowledge exchange and communication
- Collaboration and cooperation
- Supply chains and consumer demand
- What's next for Sustainable Intensification?

Invited speakers will include:

Les Firbank (University of Leeds, UK)

Paul Wilson (University of Nottingham, UK)

Caroline Drummond (LEAF, Warwickshire, UK)

Stuart Knight (NIAB, UK)

Michael Winter (University of Exeter, UK)

Descriptions of papers can be submitted by mailing or faxing the attached sheet to the AAB Office, or online via our web site at <http://www.aab.org.uk>. Click on **CONFERENCES** and then **ABSTRACTS** in the menu bar, then the **title of Conference**. Once you have registered as a user you can upload your details. Please indicate if your offer is for a poster or a platform presentation. Please ensure your POP UP BLOCKER is off, or the abstract may not load properly.

Presentations and posters from this Conference will be produced together in a volume of the *Aspects of Applied Biology* series (6-8 page papers). Copies will be available to delegates at the Conference.

DEADLINE FOR CALL FOR PAPERS IS 11 DECEMBER 2016



Association of Applied Biologists, Warwick Enterprise Park, Wellesbourne, Warwick CV35 9EF, UK

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(Please tick appropriate boxes)

Please send me further details and booking forms when they become available
I am not an AAB member (Members will receive this information automatically)

I wish to offer a paper/poster presentation paper as detailed below (please indicate which)

I wish to have a commercial exhibit at the conference

I would be interested in sponsoring a speaker, conference proceedings or hospitality
(please call Carol Millman +44 (0)2476 574998)

SURNAME:INITIALS:.....

TITLE (Prof/Dr/Mr/Mrs/Ms or other):

MAILING ADDRESS:

.....POST CODE:

Tel No:Fax No:..... E-mail:.....

TITLE OF PAPER/POSTER:

OUTLINE OF CONTENTS or ABSTRACT ON SEPARATE PAGE:

Please return by 11 December 2016 to:
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AAB

FORWARD CONFERENCE PROGRAMME

2016

27-28 June **Exploiting novel sensors for detecting abiotic and biotic stress in crops**
University of Nottingham, Sutton Bonington Campus,
Leics, UK (Plant Physiology and Crop Improvement
Group)

5-9 September **ESA14 - European Society of Agronomy
Conference 2016**
Edinburgh, Scotland

7-9 September **International Advances in Plant Virology**
University of Greenwich, Greenwich, UK
(Virology Group)

16-17 November **Biological Control & IPM**
Ramada Resort Grantham Hotel, Marston, Lincs
(Biological Control and Integrated Pest Management
Group)

14 December **Advances in Nematology**
Linnean Society of London, Piccadilly, London
(Nematology Group)

2017

28-30 November **Sustainable Intensification**
Rothamsted Research, Harpenden, UK
(CATE, Defra, SIP)

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